PATENT COOPERATION TREATY

REC'D 0 4 SEP 2006

Telephone No. (571) 272-0700

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From the INTERNATIONAL SEARCHING AUTH	HORITY	-	WIPO PCT		
To: GREGORY A. NELSON AKERMAN SENTERFITT P.O.BOX 3188 WEST PALM BEACH, FL 33402-3188		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
		INIERRATIO			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year) 31 AUG 2006			
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below			
7230-21WO		(day/month/year) Priority date (day/month/year)			
International application No. PCT/US05/01581	21 January 2005 (21.0	• 1	22 January 2004 (22.01.2004)		
International Patent Classification (IPC)					
IPC: A61K 31/35(2006.01) USPC: 514/460					
Applicant					
UNIVERSITY OF MIAMI					
I. This opinion contains indications re	elating to the following ite	ems:			
Box No. I Basis of the opinion					
Box No. II Priority	· · · · · · · · · · · · · · · · · · ·				
Box No. III Non-estab	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	Lack of unity of invention				
Box No. V Reasoned applicabil	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain do	Certain documents cited				
Box No. VII Certain defects in the international application					
Box No. VIII Certain ol	Box No. VIII Certain observations on the international application				
Yatamatianal Dusliminama Evenin	ning Authority ("IPEA") be the IPEA and the chose	except that this does in IPEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an le International Bureau under Rule 66.1 bis(b) ered.		
If this opinion is, as provided about IPEA a written reply together, who for Form PCT/ISA/220 or before the For further options, see Form PCT.	ere appropriate, with ame ne expiration of 22 months	ndments, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.		
3. For further details, see notes to For	rm PCT/ISA/220.				
Name and mailing address of the ISA/	US Date of com	pletion of this opinion	Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		006 (06.08.2006)	Jean C. Witz		

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/01581

Box No. I Basis of this opinion						
l —	th regard to the language, this opinion has been established on the basis of:					
	the international application in the language in which it was filed					
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a.	type of material					
	a sequence listing					
	table(s) related to the sequence listing					
b.	format of material					
	on paper					
	in electronic form					
c.	time of filing/furnishing					
	contained in the international application as filed.					
	filed together with the international application in electronic form.					
	furnished subsequently to this Authority for the purposes of search.					
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additional comments:						
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DOT	/(SA/237/Roy No. D. (April 2005)					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/01581

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. St

State	ment		•
	Novelty (N)	Claims 2-5, 11-14, 33-37	YES
		Claims 1, 6-10, 15-32	NO
	Inventive step (IS)	Claims 2-5, 33-37	YES
		Claims 1.6-32	
	Industrial applicability (IA)	Claims <u>1-37</u>	YES
	,	Claims NONE	N0

2. Citations and explanations:

Claims 1, 6-10, and 15-32 lack novelty under PCT Article 33(2) as being anticipated by U.S. Patent 6,582,723 to Gorsek.

The claims are drawn to compositions and methods of treating tumor cells with CoEnzyme Q10. The patent to Gorsek teaches the treatment of cancer and the prevention of metastases by the administration of CoEnzyme Q10. Non-disclosed claimed limitations are deemed inherent in the disclosure of the amounts effective to treat cancer.

Claims 11-14 lack an inventive step under PCT Article 33(3) as being obvious over U.S. Patent 6,582,723 to Gorsek.

The claims require the topical administration of the CoEnzyme Q10 as well as the concurrent administration of conventional antineoplastic compounds. Cancers are conventionally treated wherever they appear such that the formulation for the appropriate administration of a conventional anticancer composition is deemed well with the skill of the practitioner. Further, cancer treatment is conventionally performed in combination or cocktails of multiple agents; therefore, administration of known chemotherapeutic agents with another known chemotherapeutic agent, CoEnzyme Q10, is further deemed well within the skill of the practitioner.

Claims 2-5 and 33-37 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the formulation of CoEnzyme Q10 with the other claimed ingredients.

Claims 1-37 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.

